

## Datasheet: MCA560GA

<b>Description:</b>	MOUSE ANTI GUINEA PIG LYMPHOCYTES AND LANGERHANS CELLS
<b>Specificity:</b>	LYMPHOCYTES
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MsGp2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Guinea Pig
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Nylon wool adherent B cells
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells from the NS1 mouse myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti Guinea Pig lymphocytes and Langerhans cells antibody, clone MsGp2</b> recognizes an antigen present on the majority of T and B lymphocytes and thymocytes, although the antigen is not expressed by germinal centre cells of the lymph node (<a href="#">Kraal et al. 1986</a>).</p> <p>Mouse anti Guinea Pig lymphocytes and Langerhans cells antibody, clone MsGp2 also reacts strongly with epidermal Langerhans cells, giving a superior profile than anti-MHC Class II antibodies on these cells (<a href="#">Healey et al. 1987</a>). Clone MsGp2 does not functionally inhibit lymphocyte adherence to high endothelial venules <i>in vitro</i> (<a href="#">Healey et al. 1987</a>).</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Healey, D.G. <i>et al.</i> (1987) An antigenic determinant common to lymphocytes and Langerhans cells of the guinea pig. <a href="#">Int Arch Allergy Appl Immunol. 82 (2): 120-4.</a></li> <li>2. Kraal, G. <i>et al.</i> (1986) A surface molecule on guinea pig lymphocytes involved in adhesion and homing. <a href="#">Eur J Immunol. 16 (12): 1515-9.</a></li> <li>3. Baker, D. <i>et al.</i> (1987) Induction of sensitization and tolerance in contact sensitivity with haptenated epidermal cells in the guinea-pig. <a href="#">Immunology. 62 (4): 659-64.</a></li> <li>4. Mendoza, J.M. <i>et al.</i> (2013) Elucidating the Kinetics of Expression and Immune Cell Infiltration Resulting from Plasmid Gene Delivery Enhanced by Surface Dermal Electroporation. <a href="#">Vaccines (Basel). 1 (3): 384-97.</a></li> <li>5. Smith, T.R. <i>et al.</i> (2014) DNA vaccination strategy targets epidermal dendritic cells, initiating their migration and induction of a host immune response. <a href="#">Mol Ther Methods Clin Dev. 1: 14054.</a></li> <li>6. Sato H &amp; Kamiya H (1995) Role of epidermal Langerhans' cells in the induction of protective immunity to <i>Schistosoma mansoni</i> in guinea-pigs. <a href="#">Immunology. 84 (2): 233-40.</a></li> <li>7. Schäfer, H. <i>et al.</i> (1991) T cell proliferation induced by monoclonal antibodies to a phosphatidylinositol-linked differentiation antigen of guinea pig lymphocytes. <a href="#">Eur J Immunol. 21 (3): 701-5.</a></li> <li>8. Schäfer, H. &amp; Burger, R. (2012) Tools for cellular immunology and vaccine research the in the guinea pig: monoclonal antibodies to cell surface antigens and cell lines. <a href="#">Vaccine. 30 (40): 5804-11.</a></li> </ol>
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),  
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),  
[FITC](#), [HRP](#)

### Recommended Useful Reagents

#### [MOUSE ANTI GUINEA PIG T LYMPHOCYTES \(MCA564GA\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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